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Toyota Material Handling Manufacturing
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Critical review statement of study “Climate impact of a Handtruck of model LHM2030”, updated 2025

Background

The study “Climate impact of a Handtruck model LHM2030” was commissioned by Toyota Material Handling (henceforth referred to as TMH) and carried out by 2050 Consulting. A critical review of the study was carried out by an independent expert, Diego Peñaloza at RISE Research Institutes of Sweden. A first version of the report was reviewed in 2024, and in October 2025 an updated version of the report using new and more specific data with wider scope that includes the replacement of parts during use. This statement corresponds to the updated version.

The aim was to review that:

- the methods and process used to carry out the LCA are consistent with the ISO 14067:2018 standard
- the methods used to carry out the LCA are scientifically and technically valid;
- the data used are appropriate and reasonable in relation to the goal of the study;
- the interpretations reflect the limitations identified and the goal of the study;
- the study report is transparent and consistent.

Given that this study does not include any comparisons with other products, it should not be considered as a comparative assertion as defined in ISO 14067:2018 and ISO 14044:2006.

The critical review process involved the following:

- Reading and reviewing the LCA report by the third party expert; with focus on the modifications.
- A critical review statement was dispatched after one review round, the 20th of October 2025, by e-mail.

The critical review did not encompass a review of the SimaPro LCA model as such, only the results of the study and its description in the LCA report and its appendixes.

Conclusion of the critical review

The independent expert Diego Peñaloza confirms that this LCA study follows the guidance and is consistent with ISO 14067. The data used is appropriate for the goal of the study. The results obtained and the conclusions drawn are in line with the methodology applied.

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Confidentiality level

K1 – Open data

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Validity of the review statement

This review statement is based on the specific methodology followed in the documentation received by RISE at the time when the review was carried out. As long as such methodology and documentation are valid, this review statement is valid. Any modification in the LCA report after the review is finished will require an additional review round to ensure its precision and relevance.

RISE Research Institutes of Sweden AB Environment and sustainable chemistry

Performed by

Diego Penaloza

Diego Peñaloza

Mölndal, 20-10-2025

Verifikat

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